In The Claims

Claims 1-5 (cancelled)

6. (currently amended) The lighting device of claim ~~1~~ 29 further comprising a heat sink thermally coupled to the multiple light emitting diodes.

7. (cancelled)

8. (currently amended) The lighting device of claim ~~7~~ 29 wherein the cladding material has an index of refraction which causes total internal reflection from light entering the receiving end of optic fiber.

9. (original) The lighting device of claim 8 wherein the optic fiber includes a black jacket and emits light from the emitting end of the optic fiber.

10. (original) The lighting device of claim 8 wherein the cladding material is translucent allowing light to leave the optic fiber along the perimeter of the optic fiber.

11. (original) The lighting device of claim 8 wherein the optic fiber is bent in a non-linear shape.

12. (currently amended) The lighting device of claim ~~1~~ 29, wherein the multiple LEDs emit different colors producing a combined color from the optic fiber.

13. (currently amended) The lighting device of claim ~~1~~ 29, wherein the multiple LEDs emit the same color light.

14. (currently amended) The lighting device of claim ~~1~~ 29, wherein the multiple LEDs are arranged symmetrically in relation to the optic fiber.

15. (original) A high output light emitting diode based lighting device, comprising:

a support bracket having a flat bottom surface and two opposite first and second ends;

a vertical support arm attached to the first end of the support bracket;

an optic fiber attached to the vertical support arm, the optic fiber having a core material and a surrounding cladding material with a flat receiving end fixed in relation to the support bracket;

a mounting arm attached to the second end of the support bracket, the mounting arm including multiple collars facing the receiving end of the optic fiber; and

a light emitting diode reflector assembly attached to each of the multiple collars, the light emitting diode reflector assembly having a conical body having an open end mated with the collar, and an opposite closed end holding a light emitting diode.

16. (original) The lighting device of claim 15 wherein the conical body has a reflective interior surface and is shaped to focus light output from the light emitting diode to the optic fiber end.

17. (original) The lighting device of claim 16 wherein the reflective interior surface is evaporated aluminum.

18. (original) The lighting device of claim 15 further comprising a heat sink thermally coupled to the light emitting diodes.

19. (original) The lighting device of claim 15 wherein the light emitting diode assembly includes a heat sink having a plate with a top side coupled to the conical body and a bottom side having protruding vanes.

20. (original) The lighting device of claim 15 wherein the optic fiber includes a black jacket and emits light from the emitting end of the optic fiber.

21. (original) The lighting device of claim 15 wherein the cladding material is translucent allowing light to leave the optic fiber along the perimeter of the optic fiber.

22. (original) The lighting device of claim 15 wherein the optic fiber is bent in a non-linear shape.

23. (original) The lighting device of claim 15, wherein the multiple LEDs emit different colors producing a combined color from the optic fiber.

24. (original) The lighting device of claim 15, wherein the multiple LEDs emit the same color light.

25. (previously added) A high output light emitting diode based lighting device, comprising:

a base member having a flat bottom surface and two opposite first and second ends;

a vertical support attached to the first end of the base support;

an optic fiber attached to the vertical support, the optic fiber having a core material and a surrounding cladding material with a flat receiving end fixed in relation to the base member;

a mounting support attached to the second end of the support base, the mounting support including multiple collars facing the receiving end of the optic fiber; and

a light emitting diode reflector assembly attached to each of the multiple collars, the light emitting diode reflector assembly having a conical body having an open end mated with the collar, and an opposite closed end holding a light emitting diode.

26. (previously added) The lighting device of claim 25 wherein the conical body has a reflective interior surface and is shaped to focus light output from the light emitting diode to the optic fiber end.

27. (previously added) The lighting device of claim 26 wherein the reflective interior surface is evaporated aluminum.

28. (previously added) The lighting device of claim 25, wherein the multiple LEDs emit the same color light.

29. (new) A light emitting diode based lighting device, comprising:

an optic fiber mounting bracket;

exactly one optic fiber attached to the optic fiber mounting bracket, the optic fiber having a core material and a surrounding cladding material, the receiving end of said optic fiber fixed in relation to the optic fiber mounting bracket;

a light emitting diode mounting bracket, the light emitting diode mounting bracket including multiple collars facing the receiving end of the optic fiber; and

a light emitting diode reflector assembly attached to each of the multiple collars, each light emitting diode reflector assembly attached to the collar and holding a light emitting diode.

30. (new) The lighting device of claim 29, wherein the light emitting diode reflector assembly includes a reflector shaped so as to focus light output from the light emitting diode on the receiving end of the optic fiber.